

Detailed Design

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ECS Release B 3DR - DDSRV

Detailed Design

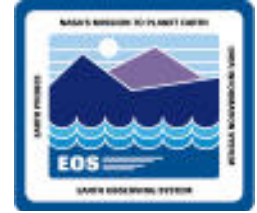
Static Object Models



The following static object models can be found in the DID 305-024-002 Update, 430-TP-008-001 Section 5 :

<u>Figure</u>	<u>Class Categories</u>
5.3-1	CSDT CSC (Cd)
5.3-2	Client CSC (Ct)
5.3-3	Document Data Server CSC (Do)
5.3-4	ESDT CSC (Es)
5.3-5	Gateway CSC (Gw)
5.3-6	Search Engine (Se)
5.3-7	Server (Sv)

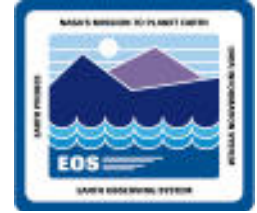
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The following event traces can be found in the DID 305-024-002 Update, 430-TP-008-001 Section 5 :

<u>Figure</u>	<u>Event Trace</u>
5.4-1	Inserting a Document
5.4-2	Searching for a Document
5.4-3	Acquiring a Document
5.4-4	Fault Scenario : HTTP Connection Failure

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Inserting a Document 5.4-1

- Scenario Purpose**
 - Demonstrate document and related metadata insertion using classes and events
- Scenario Results**
 - Insert document and related information
 - Provide Status of insertion
- Design Topics Addressed**
 - IDR B RID #5 Item 25 - How will documents be stored

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Inserting a Document 5.4-1 (cont.)

•Preconditions

- Ingest Subsystem has received a Data Center Guide in HTML format
- Ingest Subsystem has performed key word extraction
- Ingest Subsystem has performed range checking of the metadata
- Ingest Subsystem has produced a file containing document keywords
- Ingest Subsystem has established a connection with the DDSRV

•Events

- Ingest sends DDSRV an insert command along with document and metadata
- DDSRV uses DBMS Wrappers to insert the document and metadata
- DDSRV uses TOPIC to perform the text indexing on the document
- DDSRV sends Ingest document insertion status



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Inserting a Document 5.4-1 (cont.)

